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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON
REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Letter dated 24 July 1981 from the Division of Legal Affairs of the European Space Agency addressed to the Secretary-General

[Original: French]

In conformity with the Convention on Registration of Objects Launched into Outer Space, I have the honour to transmit information on the launching of space objects by the European Space Agency on 19 June 1981 from the launch site in Kourou (French Department of Guiana).

(Signed) Major G. LAFFERRANDERIE
Division of Legal Affairs

[Original: English]

I

(a) Name of space object: technological capsule

(b) Name of launching authority: European Space Agency (ESA)

(c) Designator: ESA/81/02

(d) Date of launch/location of launch site: 19 June 1981/12.33.03 U.T.
Kourou, French Guiana

(e) Orbital parameters:

(i) Period (min): 638.6

(ii) Inclination (deg.): 10.6

(iii) Apogee distance (km): 36,173

(iv) Perigee distance (km): 200.8

(v) Position on geostationary orbit (deg. E): -

(f) General description and mission of space object:

The technological capsule, equipped with batteries for a lifetime of about six orbital revolutions, transmits to earth technological data about test flight L-03 of ARIANE. After discharge of the battery the capsule will stop its transmissions and remain in orbit in an inactive status.

(g) Frequency plan: 136-138 MHz
(transmission till 65 h after launch only)

(h) State of jurisdiction: -

(i) Other information: projected time of re-entry: 1986

II

(a) Name of space object: METEOSAT-2

(b) Name of launching authority: European Space Agency (ESA)

(c) Designator: ESA/81/03

(d) Date of launch/location of launch site: 19 June 1981/12.33.03 U.T.
Kourou, French Guiana

(e) Orbital parameters:

(i) Period (min): 1436,069 (sideral day)

(ii) Inclination (deg.): 1

(iii) Apogee distance (km): (
( 35,785
(iv) Perigee distance (km): (

(v) Position on geostationary orbit (deg. E): 0

(f) General description and mission of space object:

METEOSAT-2 is a geostationary meteorological satellite, operating within the world-wide network of the World Weather Watch of WMO. Its main missions are:

- Imaging in the visible, IR, and water vapour region of the spectrum
- Data reception from so-called data collection platforms (DCPs)
- Data distribution to meteorological services and other interested parties (research institutes etc.)

(g) Frequency plan:

| | |
|---|---|
| 136-138 | MHz (S-E) |
| 148-149.9 | MHz (E-S) |
| 401-403 | MHz (E-S) |
| 460-470 | MHz (S-E) |
| 1670-1700 | MHz (S-E) |
| 2025-2210 | MHz (E-S) |

(h) State of jurisdiction: -

(i) Other information: -

III

(a) Name of space object: ARIANE/third stage

(b) Name of launching authority: European Space Agency (ESA)

(c) Designator: ESA/81/01

(d) Date of launch/location of launch site: 19 June 1981/12.33.03 U.T.
Kourou, French Guiana

(e) Orbital parameters:

(i) Period (min): 639.3

(ii) Inclination (deg.): 10.5

(iii) Apogee distance (km): 36,200

(iv) Perigee distance (km): 200.8

(v) Position on geostationary orbit (deg. E): -

(f) General description and mission of space object:

Third stage of the three-stage ARIANE launch vehicle

(g) Frequency plan: 2,200-2,300 MHz
(transmission till 30 minutes after launch)

(h) State of jurisdiction: -

(i) Other information: projected time of re-entry: mid-1983

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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 3 August 1981 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents her compliments to the Secretary-General of the United Nations and has the honour to transmit herewith seven copies of the launch registration reports for the month of April 1981.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 30 April 1981

All launches were made from the territory of the United States unless otherwise specified

| International designation | Date of launch | Nodal period | Inclination | Apogee (km) | Perigee (km) | General function of space object |
|---|---|---|---|---|---|---|
| **New objects in orbit:** | | | | | | |
| 1981-038A | 24 Apr | 93.0 | 62.7 | 708 | 188 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| **The following objects not previously reported have been identified since the last report:** | | | | | | |
| 1979-013C | 18 Feb | 95.7 | 54.7 | 626 | 476 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| **The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 April 1981:** | | | | | | |
| 1981-034A | 12 Apr | 89.4 | 40.4 | 250 | 238 | Reusable space transportation systems |

**The following objects were no longer in orbit as of 2400Z on 30 April 1981:**

| | | | | |
|---|---|---|---|---|
| 1961-OMI38 | 1965-082MD | 1969-082GU | 1972-058HW | 1977-065AU |
| 1961-OMI89 | 1965-082NN | 1969-082JE | 1975-004AD | 1977-065BT |
| 1962-082FH | 1965-082PD | 1969-082KL | 1975-004CA | |
| 1963-014AE | 1966-056S | 1969-097F | 1975-004CY | |
| 1964-076G | 1966-056AC | 1970-025GY | 1975-004EU | |
| 1965-065M | 1966-056AE | 1970-067E | 1975-057B | |
| 1965-082KT | 1969-082BM | 1972-058FR | 1977-065AS | |

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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

# INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

## Note verbale dated 10 August 1981 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit information concerning space objects launched by the Union of Soviet Socialist Republics in May 1981 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN MAY 1981

1. In May 1981, the USSR launched the following space objects:

| | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 1577 | COSMOS-1269 | 7 May | | | | | Investigation of the upper atmosphere and outer space. |
| 1578 | SOYUZ-40 | 14 May | | | | | Transport to the SALYUT-6 orbital station of the ninth international crew under the INTERCOSMOS programme, comprising L. I. Popov (USSR) and D. Pruneriu (Romania), to conduct scientific research and experiments. |
| 1579 | METEOR-2 | 15 May | | | | | Gathering meteorological information and data on penetrating radiation fluxes in circumterrestrial space. |
| 1580 | COSMOS-1270 | 18 May | | | | | Investigation of the upper atmosphere and outer space. |
| 1581 | COSMOS-1271 | 19 May | | | | | Investigation of the upper atmosphere and outer space. |

| | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 1582 | COSMOS-1272 | 21 May | | | | | Investigation of the upper atmosphere and outer space. |
| 1583 | COSMOS-1273 | 22 May | | | | | Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation. |

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in May 1981 and were no longer in earth orbit at 2400 hours Moscow time on 31 May:

COSMOS-482 (1972-023A)

SOYUZ T-4 (1981-023A)

COSMOS-1268 (1981-040A)

SOYUZ-40 (1981-042A)

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COMMITTEE ON THE PEACEFUL USES
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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 13 August 1981 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents her compliments to the Secretary-General of the United Nations and has the honour to transmit herewith seven copies of the launch registration reports for the month of May 1981.

## REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 31 May 1981.

All launches were made from the territory of the United States unless otherwise specified.

| International designation | Date of launch | Nodal period | Inclination | Apogee (km) | Perigee (km) | General function of space object |
|---|---|---|---|---|---|---|
| New objects in orbit: | | | | | | |
| 1981-044A | 15 May | 97.5 | 90.2 | 931 | 351 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1981-044B | 15 May | 97.5 | 90.2 | 930 | 349 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1981-049A | 22 May | 1619.9 | 0.5 | 44821 | 33800 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1981-049B | 22 May | 111.8 | 28.1 | 2456 | 164 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1981-049C | 22 May | 913.9 | 26.5 | 49449 | 186 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1981-050A | 23 May | 1436.0 | 0.6 | 35796 | 35774 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1981-038B | 24 April | 93.0 | 62.8 | 708 | 189 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

The following objects were no longer in orbit as of 2400Z on 31 May 1981:

| | | |
|---|---|---|
| 1963-053A | 1965-082HF | 1975-004V |
| 1965-082BB | 1965-082HH | 1976-089A |
| 1965-082CS | 1969 082GE | 1978-026BW |
| 1965-082CU | 1972-058E | 1980-043A |

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON
REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 11 September 1981 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The Representative of the United States of America to the United Nations presents her compliments to the Secretary-General of the United Nations and has the honour to transmit herewith seven copies of the launch registration reports for the month of June 1981.

REGISTRATION FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 30 June 1981

All launches were made from the territory of the United States unless otherwise specified

| International designation | Date of launch | Nodal period | Inclination | Apogee (km) | Perigee (km) | General function of space object |
|---|---|---|---|---|---|---|
| **New objects in orbit:** | | | | | | |
| 1981-059A | 23 Jun | 101.9 | 98.9 | 852 | 844 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1981-059B | 23 Jun | 101.9 | 98.9 | 858 | 840 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1981-059C | 23 Jun | 101.9 | 98.9 | 853 | 845 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| **The following objects not previously reported have been identified since the last report:** | | | | | | |
| 1965-048J | 24 Jun | 98.9 | 89.9 | 721 | 688 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1967-092E | 25 Sep | 106.5 | 89.3 | 1115 | 1016 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1967-092F | 25 Sep | 106.6 | 89.3 | 1113 | 1020 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DF | 29 Jul | 116.4 | 102.0 | 1549 | 1488 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DG | 29 Jul | 117.4 | 102.0 | 1624 | 1500 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DH | 29 Jul | 103.6 | 102.0 | 2859 | 1455 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DJ | 29 Jul | 117.3 | 102.1 | 1622 | 1460 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DK | 29 Jul | 118.2 | 101.8 | 1706 | 1496 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DL | 29 Jul | 113.8 | 101.4 | 1459 | 1344 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DM | 29 Jul | 116.2 | 101.8 | 1595 | 1424 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DN | 29 Jul | 116.3 | 102.1 | 1561 | 1467 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

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| International designation | Date of launch | Nodal period | Inclination | Apogee (km) | Perigee (km) | General function of space object |
|---|---|---|---|---|---|---|
| 1976-077DP | 29 Jul | 123.5 | 102.3 | 2165 | 1506 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DQ | 29 Jul | 125.7 | 102.0 | 1549 | 1450 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DR | 29 Jul | 113.2 | 102.9 | 1549 | 1200 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DS | 29 Jul | 119.6 | 102.4 | 1819 | 1504 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DT | 29 Jul | 115.6 | 101.7 | 1493 | 1467 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DU | 29 Jul | 116.2 | 102.4 | 1548 | 1468 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1976-077DV | 29 Jul | 111.6 | 102.3 | 1610 | 986 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1981-050B | 23 May | 596.3 | 24.2 | 34020 | 158 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

The following objects were no longer in orbit as of 2400Z on 30 June 1981:

| | | |
|---|---|---|
| 1968-066A | 1975-107A | |
| 1965-082BZ | 1976-120D | |
| 1965-082DB | 1969-082EJ | |
| 1965-082MW | 1972-058BV | 1981-019A |

The following revision should be made in the report of February 1981:

Add to section "The following objects are no longer in orbit as of 2400Z on 28 Feburary 1981":

1977-005C